

STATE OF MISSOURI  
**DEPARTMENT OF NATURAL RESOURCES**  
MISSOURI CLEAN WATER COMMISSION



**MISSOURI STATE OPERATING PERMIT**

GENERAL PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92<sup>nd</sup> Congress) as amended,

Permit No. < MO-G251xxx >

Owner: < name >  
Address: < address >

Continuing Authority:  
Address: < name, or Same as above >  
< address, or Same as above >

Facility Name: < name >  
Facility Address: < physical address >

Legal Description: 1/4, 1/4, 1/4, Sec. xx, TxxN, RxxW, < county > County

Receiving Stream: < receiving stream > < (U, C, P, L1, L2, L3) >  
First Classified Stream and ID: < 1<sup>st</sup> classified stream > < (U, C, P, L1, L2, L3) > < (ID number) >  
USGS Basin & Sub-watershed No.: < (USGS HUC14 #) >

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

**FACILITY DESCRIPTION**

All Outfalls

Discharge from non-recirculating heat pumps, to surface water only.

This permit authorizes only wastewater, including storm waters, discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

January 1, 2000

Effective Date

Issue Date

Stephen M. Mahfood, Director, Department of Natural Resources  
Executive Secretary, Clean Water Commission

January 13, 2005

Expiration Date  
MO 780-0041 (10-93)

Jim Hull, Director of Staff, Clean Water Commission

<b>A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS</b>					PAGE NUMBER 2 of 4	
					PERMIT NUMBER MO-G251xxx	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>All Outfalls</u> (Note 1)						
Flow	gal/day	*		*	once/quarter**	24 hr. estimate
Temperature of Discharged Water	°F	90°F		90°F	once/quarter**	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>&lt; date &gt;</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
<b>B. STANDARD CONDITIONS</b>						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

\* Monitoring requirement only.

\*\* Sample once per quarter in the months of March, June, August, and December.

Note 1 – Sample to be taken no farther than 100 feet from discharge point or where discharge enters the waters of the state, whichever is closer to the heat pump.

### APPLICABILITY

1. This permit authorizes the discharge from surface discharging heat pumps only. Heat pump systems that recirculate to ground water are not authorized by this permit.
2. If at any time the Missouri Department of Natural Resources determines that the quality of waters of the state may be better protected by requiring the owner/operator of the permitted site to apply for a site specific permit, the department may do so.
3. If at any time the permittee should desire to apply for an individual NPDES permit, they may do so.
4. This permit is not transferable to other owners or operators.

### EXEMPTIONS

Facilities that discharge directly to a combined sewer system are exempt from permit requirements.

### REQUIREMENTS

Note: These requirements do not supersede nor remove liability for compliance with county and other local ordinances.

1. Discharges shall not cause violations of the general criteria in the Water Quality Standards at 10 CSR 20-7.031(3) including, but not limited to the following criteria:
  - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
  - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
  - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
  - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
  - (e) There shall be no significant human health hazard from incidental contact with the water;
  - (f) There shall be no acute toxicity to livestock or wildlife watering;
  - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
  - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

### SAMPLING

This permit requires that the temperature of outgoing water be taken once per quarter when the heat pump system is in operation. If the heat pump system is not in operation in the months of March, June, August, or December, report as no discharge.

#### RECORDS RETENTION AND REPORTING

All sampling data shall be maintained by the permittee for a period of five years and shall be supplied to the Department of Natural Resources upon written request. A copy of all of the sampling data must be submitted with an application for reissuance of this permit.

#### REPORTING OF EFFLUENT VIOLATIONS

If any of the sampling results from any of the outfalls show any violation of the permit discharge limitations, written notification shall be made to the Department of Natural Resources within five (5) days of notification of analytical results. Notification shall indicate the date(s) of sample collection, the analytical results, and permit number and shall include a statement concerning the revisions or modifications in management practices that are being implemented to address the violation of the limitations that occurred.

#### TERMINATION OF PERMIT

This permit may be terminated when activities covered by this permit have ceased and no significant materials are stored in such a way as to come into contact with storm water, or if a transfer of ownership of the facility and its activities has been made. If such a termination is sought, the permittee shall submit Form H, Termination of a General Permit.

#### SPECIAL CONDITIONS

1. This general permit does not authorize the discharge of chemical additives for cleaning or descaling.